

U.S. Patent No. 7,046,239 B2  
Attorney Docket No.: 15162/02750

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U. S. Patent No.: 7,046,239 B2  
Issued: May 16, 2006  
By: Katsuhiko ASAI et al.  
For: ELECTRONIC APPARATUS  
U.S. Serial No.: 09/770,078  
Filing Date: January 25, 2001

Certificates of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**REQUEST FOR NEW CERTIFICATE OF CORRECTION**

It is respectfully requested that a new Certificate of Correction be issued for U.S. Patent No. 7,046,239 B2 issued May 16, 2006 for the purpose of correcting errors that occurred in the printing of the Certificate of Correction.

Attached are Forms PTO-1050 (PTO/SB/44), which are suitable for printing.

The printing errors contained in the Certificate of Correction dated February 15, 2011 (copies attached) for U.S. Patent No. 7,046,239 B2 are set forth below:

**Page 1 of 3, line 1:**

what should have been:

“Drawing Sheet 39, FIG. 51, please delete FIG. 51, and add new FIG. 51 below:”

was incorrectly printed as:

“Drawing Sheet 39, FIG. 1, please delete FIG. 1, and add new FIG. 1 below:”

**Page 2 of 3, line 1:**

what should have been:

“Drawing Sheet 40, FIG. 52, please delete FIG. 52, and add new FIG. 52 below:”

was incorrectly printed as:

“Drawing Sheet 40, FIG. 2, please delete FIG. 2, and add new FIG. 2 below:”

**Page 2 of 3, line 2:**

what should have been:

“Drawing Sheet 41, FIG. 53, please delete FIG. 53, and add new FIG. 53 below:”

was incorrectly printed as:

“Drawing Sheet 41, FIG. 2, please delete FIG. 2, and add new FIG. 2 below:”

**Page 3 of 3, line 1:**

what should have been:

“Drawing Sheet 42, FIG. 54, please delete FIG. 54, and add new FIG. 54 below:”

was incorrectly printed as:

“Drawing Sheet 42, FIG. 2, please delete FIG. 2, and add new FIG. 2 below:”

The foregoing errors occurred in the printing of the certificate of correction, and thus constitutes errors by the Patent and Trademark Office.

U.S. Patent No. 7,046,239 B2  
Attorney Docket No.: 15162/02750

Please issue a new Certificate of Correction and transmit the Certificate to the attorney whose signature and address appear below.

Respectfully submitted,

By: Thomas N. Tarnay/Reg. No. 41,341

Thomas N. Tarnay  
Registration No. 41,341  
Attorney for Patentee

TNT/llb  
SIDLEY AUSTIN LLP  
717 North Harwood, Suite 3400  
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(214) 981-3300 Main  
(214) 981-3400 Facsimile  
March 16, 2011

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,046,239 B2

Page 1 of 4

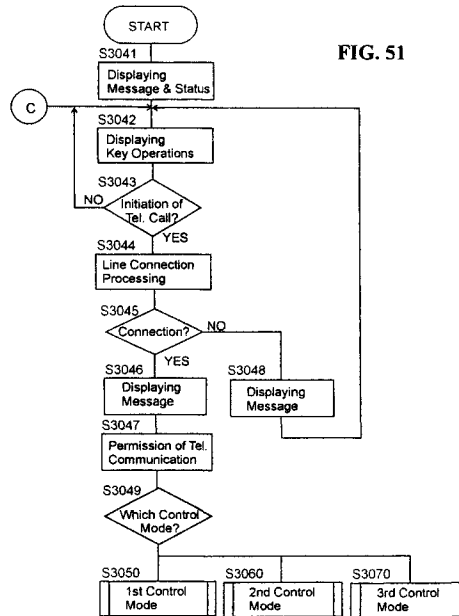
APPLICATION NO.: 09/770,078

ISSUE DATE : May 16, 2006

INVENTOR(S) : Katsuhiko Asai et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 39, FIG. 51, please delete FIG. 51, and add new FIG. 51 below:



MAILING ADDRESS OF SENDER (Please do not use customer number below):

Sidley Austin LLP  
717 North Harwood, Suite 3400  
Dallas, Texas 75201

This collection of information is required by 37 CFR 1.322, 1.323., and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

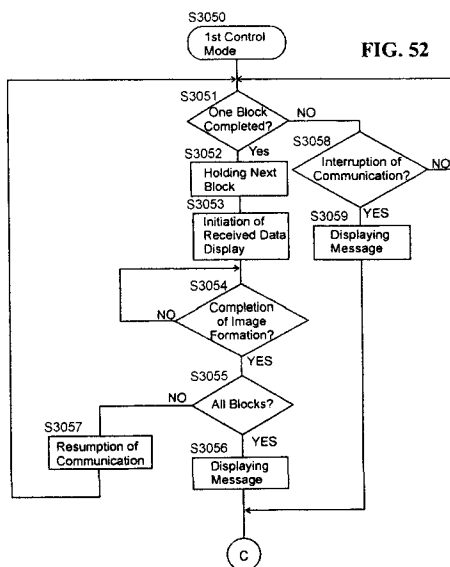
## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,046,239 B2  
APPLICATION NO.: 09/770,076  
ISSUE DATE : May 16, 2006  
INVENTOR(S) : Katsuhiko Asai et al.

Page 2 of 4

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 40, FIG. 52, please delete FIG. 52, and add new FIG. 52 below:



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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

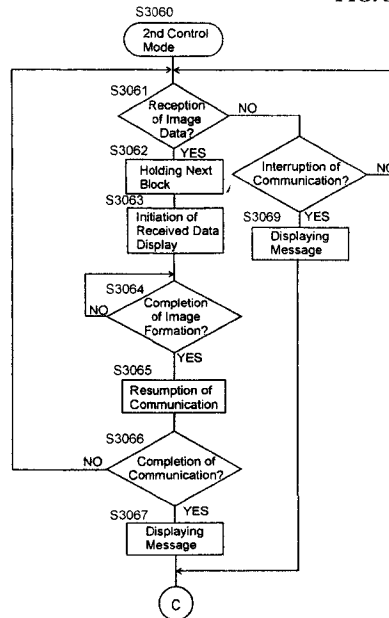
PATENT NO. : 7,046,239 B2  
APPLICATION NO.: 09/770,078  
ISSUE DATE : May 16, 2006  
INVENTOR(S) : Katsuhiko Asai et al.

Page 3 of 4

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 41, FIG. 53, please delete FIG. 53, and add new FIG. 53 below:

FIG. 53



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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

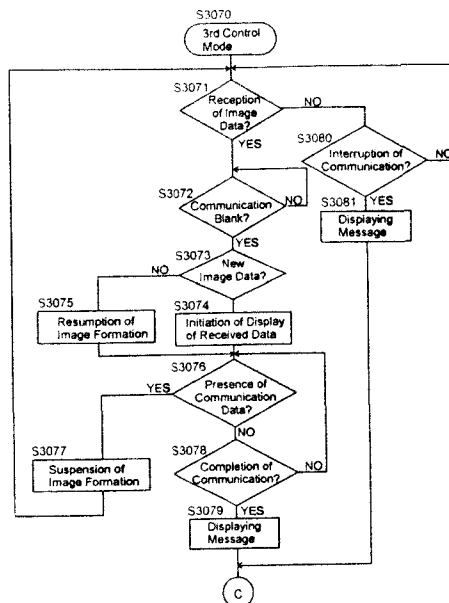
PATENT NO. : 7,046,239 B2  
APPLICATION NO.: 09/770,078  
ISSUE DATE : May 16, 2006  
INVENTOR(S) : Katsuhiko Asai et al.

Page 4 of 4

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 42, FIG. 54, please delete FIG. 54, and add new FIG. 54 below:

FIG. 54



MAILING ADDRESS OF SENDER (Please do not use customer number below):

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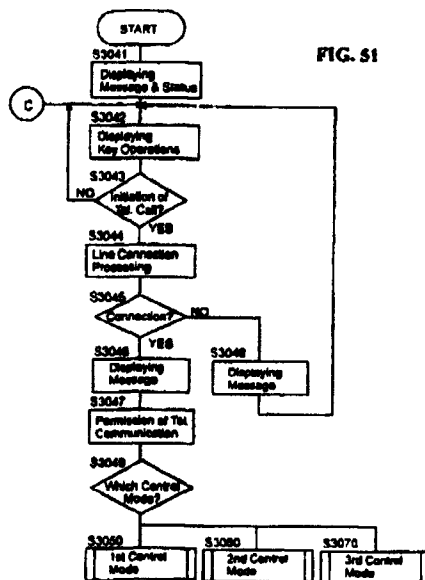
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,046,239 B2  
APPLICATION NO. : 09/770078  
DATED : May 16, 2006  
INVENTOR(S) : Katsuhiko Asai et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 39, FIG. <sup>51,</sup> ~~V~~ please delete FIG. <sup>51,</sup> ~~V~~ and add new FIG. <sup>51,</sup> ~~V~~ below:



Signed and Sealed this  
Fifteenth Day of February, 2011

*David J. Kappos*

David J. Kappos  
Director of the United States Patent and Trademark Office

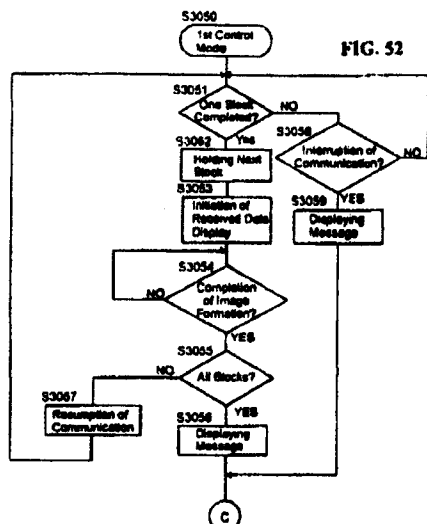


CERTIFICATE OF CORRECTION (continued)

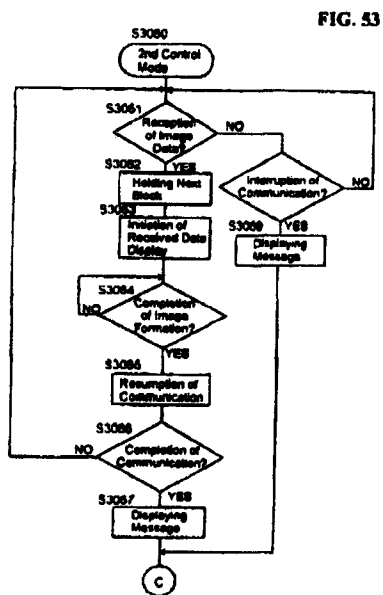
U.S. Pat. No. 7,046,239 B2

Page 2 of 3

Drawing Sheet 40, FIG. 52, please delete FIG. 52 and add new FIG. 52 below:



Drawing Sheet 41, FIG. 53, please delete FIG. 53 and add new FIG. 53 below:



**CERTIFICATE OF CORRECTION (continued)**

**U.S. Pat. No. 7,046,239 B2**

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54, 54, 54  
Drawing Sheet 42, FIG. 54 please delete FIG. 54 and add new FIG. 54 below:

**FIG. 54**

